

SUPPLEMENTARY MATERIAL:

Diversity and conservation status of lichens and allied fungi in the Greater Toronto Area: results from four years of the Ontario BioBlitz

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APPENDIX S1. Collection details of specimens examined. Species preceded by a dagger ‘†’ are allied fungi traditionally treated with lichens.

***Acarospora fuscata* (Schröd.) Arnold**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Trail, within a mixed-wood forest, in the basin along the river, northwest side of the river, saxicolous on non-calcareous rock, 13.vi.2016, *R.T. McMullin 17976* (CANL). Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on an exposed non-calcareous boulder, 24.v.2014, *R.T. McMullin 14164* (OAC). **YORK REGION.** Rouge River Watershed, Rouge National Urban Park, Orchard Trail, within a clearing in a second-growth mixed-wood forest adjacent to the Rouge River, saxicolous on non-calcareous rock, 19.ix.2013, *R.T. McMullin 12529* (OAC).

***Acarospora glaucocarpa* (Ach.) Körb.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Trail, within a mixed-wood forest, in basin along river below falls, northwest side of the river, saxicolous on calcareous rock, 13.vi.2016, *R.T. McMullin 18001* (CANL).

***Acarospora moenium* (Vain.) Räsänen**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Albion Hills Conservation Area, near gatehouse at the entrance to the campground, saxicolous on an exposed calcareous boulder along a stream, 24.v.2014, *R.T. McMullin 14157* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, trailside man-made talus slope, saxicolous on concrete, 14.vi.2015, *R.T. McMullin 15631* (CANL).

***Acrocordia cavata* (Ach.) R.C. Harris**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of Dominion Trail, in a *Thuja occidentalis* and *Abies balsamea* dominated swamp, corticolous on *Populus* sp., 14.vi.2016, *R.T. McMullin 17910* (CANL). **YORK REGION.** Don River Watershed, Vaughan, natural area along the east side of Dufferin, ~800 m north of Major Mackenzie, in *T. occidentalis* and hardwood swamp, corticolous on a deciduous snag, 14.vi.2015, *R.T. McMullin 15611* (CANL).

***Alyxoria varia* Pers.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks for the Credit Provincial Park, eastern corner of main parking lot, among exposed mature trees adjacent to main parking lot, corticolous on *Acer* sp., 11.vi.2016, *R.T. McMullin 17852* (CANL). Belfountain Conservation Area, exposed trees adjacent to main parking lot, corticolous on *Fraxinus* sp., 13.vi.2016, *R.T. McMullin 17935* (CANL). **YORK REGION.** Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, mature mixed-wood forest beside bog, corticolous on a deciduous snag, 24.v.2014, *R.T. McMullin 14153* (OAC).

***Amandinea dakotensis* (H. Magn.) P. May & Sheard**

CANADA. ONTARIO. YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, within a mature mixed-wood forest dominated by *Acer saccharum*, corticolous on a deciduous snag, 14.vi.2015, *R.T. McMullin 15638* (CANL).

***Amandinea punctata* (Hoffm.) Coppins & Scheid.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, ~100 m east of main parking lot, surrounded by exposed gravel, rocks, and boulders, scattered shrubs, and patches of grass, corticolous on *Pinus strobus*, 11.vi.2016, *R.T. McMullin 17877* (CANL), fork of Dominion and Bruce Trails, north of *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on a branch, 14.vi.2016, *R.T. McMullin 17911* (CANL), half-way down ridge, lignicolous on an old and exposed *Thuja* fence post, 13.vi.2016, *R.T. McMullin 17923* (CANL). **YORK REGION.** Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, lignicolous on *Thuja* fence rails between parking lot and playground, 14.vi.2015, *R.T. McMullin 15606* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, lignicolous on exposed wood, 24.v.2014, *R.T. McMullin 14184* (OAC), Rouge River Watershed, Rouge National Urban Park, Woodland Trail, mature mixed-wood forest with large and exposed deciduous trees, corticolous on *Acer nigrum*, 19.ix.2013, *R.T. McMullin 12535* (OAC).

†*Arthonia caudata* Willey

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, adjacent to the main parking lot on exposed trees, corticolous on *P. strobus*, 13.vi.2016, *R.T. McMullin 18000* (CANL), Humber River Watershed, Albion Hills Conservation Area, near gatehouse at the entrance to the campground, second-growth conifer-dominated forest, corticolous on *P. strobus*, 24.v.2014, *R.T. McMullin 14161* (OAC). YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, within a mature mixed-wood forest, corticolous on *P. strobus*, 14.vi.2015, *R.T. McMullin 15632* (CANL), Rouge River Watershed, Rouge National Urban Park, Vista Trail, mixed-wood forest dominated by conifers in a shaded valley, corticolous on *P. strobus*, 19.ix.2013, *R.T. McMullin 12570* (OAC).

Arthonia helvola (Nyl.) Nyl.

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Dominion Trail, 20 m from the Credit River, in a mixed-wood deciduous-dominated forest, corticolous on mature *Betula alleghaniensis*, 14.vi.2016, *R.T. McMullin 17938* (CANL), Belfountain Conservation Area, Gorge Loop Trail, east of the falls, in a mixed-wood forest near the river basin, along a white clay stream, corticolous on a *Betula papyrifera* snag, 14.vi.2016, *R.T. McMullin 17964* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in mature second-growth mixed-wood forest, corticolous on *B. alleghaniensis*, 24.v.2014, *R.T. McMullin 14189* (OAC). YORK REGION. Rouge River Watershed, Rouge National Urban Park, Vista Trail, mixed-wood forest dominated by conifers in a shaded valley, corticolous on *B. alleghaniensis*, 19.ix.2013, *R.T. McMullin 12557* (OAC).

Arthonia radiata (Pers.) Ach.

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, fork of the Dominion and Bruce Trails, just north of *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on *Acer* sp., 14.vi.2016, *R.T. McMullin 17915* (CANL).

Aspicilia cinerea (L.) Körb.

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on an exposed boulder, 24.v.2014, *R.T. McMullin 14111* (OAC).

Bacidia sp.

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in mature second-growth mixed-wood forest, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14176* (OAC).

Bacidia rubella (Hoffm.) A. Massal.

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Albion Hills Conservation Area, near Terry Carr Memorial Trail, in a mature mixed-wood forest along a stream, corticolous on *T. occidentalis*, 24.v.2014, *R.T. McMullin 14134* (OAC).

Bilimbia sabuletorum (Schreb.) Arnold

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, ~85 m south of the falls on Credit River, bryicolous on a boulder within the river, 13.vi.2016, *R.T. McMullin 17886* (CANL), Belfountain Conservation Area, Gorge Loop Trail, in basin along river, northwest side of the river, bryicolous, 13.vi.2016, *R.T. McMullin 17979* (CANL), ~100 m east of the falls, in a mixed-wood forest, corticolous on *T. occidentalis*, 13.vi.2016, *R.T. McMullin 17983* (CANL), Terra Cotta Conservation Trail, Terra Cotta Lane Side Trail, ~350 m southwest of Winston Churchill Blvd., in mature mixed-wood forest, bryicolous, 11.vi.2016, *R.T. McMullin 17994* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in mature second-growth mixed-wood forest, saxicolous, 24.v.2014, *R.T. McMullin 14078* (OAC).

Caloplaca arenaria (Pers.) Müll. Arg.

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, in an exposed area ~50 m west of the main parking lot, surrounded by exposed gravel, rocks, and boulders, scattered shrubs and grasses, saxicolous on non-calcareous rock, 11.vi.2016, *R.T. McMullin 17875* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on an exposed non-calcareous boulder, 24.v.2014, *R.T. McMullin 14096* (OAC).

Caloplaca cerina (Ehrh. ex Hedw.) Th. Fr.

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, north of the Bruce Trail, in a mixed-wood deciduous-dominated forest, corticolous on *Populus* sp., 13.vi.2016, *R.T. McMullin 17930* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, exposed trees, corticolous on *Populus balsamifera*, 24.v.2014, *R.T. McMullin 14115* (OAC), Albion Hills Conservation Area, clearing off of Terry Carr Memorial Trail, in an exposed area surrounded by mature mixed-wood forest, corticolous on an exposed *Populus tremuloides*, 24.v.2014, *R.T. McMullin 14138* (OAC). YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, corticolous on an exposed *Fraxinus* sp., 14.vi.2015, *R.T. McMullin 15615* (CANL).

***Caloplaca feracissima* H. Magn.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, adjacent to the main parking lot, saxicolous on exposed concrete in the parking lot, 13.vi.2016, *R.T. McMullin 17958* (CANL), Humber River Watershed, Albion Hills Conservation Area, near gatehouse at the entrance to the campground, saxicolous on exposed concrete with partial shade from the adjacent forest, 24.v.2014, *R.T. McMullin 14168* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Sunny Brook Park, western entrance, within a mature mixed-wood forest along a stream, saxicolous on calcareous rock, 13.vi.2015, *R.T. McMullin 15610* (CANL), Rouge River Watershed, Rouge National Urban Park, Glen Eagles Vista Trail, exposed boulder surrounded by mixed-wood forest, saxicolous on calcareous rock, 19.ix.2013, *R.T. McMullin 12552* (OAC), saxicolous on concrete, 19.ix.2013, *R.T. McMullin 12553* (OAC).

***Caloplaca flavovirescens* (Wulfen) Dalla Torre & Sarnth.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, saxicolous on a large exposed boulder in the Credit River, ~85 m south of the falls, 13.vi.2016, *R.T. McMullin 17887* (CANL), Belfountain Conservation Area, at the edge of a mixed-wood deciduous-dominated forest along a river basin, saxicolous on a rock wall above the falls, 13.vi.2016, *R.T. McMullin 17969* (CANL).

***Caloplaca holocarpa* (Hoffm. ex Ach.) A.E. Wade**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, along the Credit River, ~145 m downstream of the falls, in a large river valley on large exposed boulders in and along the river, saxicolous on rock, 13.vi.2016, *R.T. McMullin 17883* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on an exposed boulder, 24.v.2014, *R.T. McMullin 14155* (OAC).

***Caloplaca pyracea* (Ach.) Th. Fr.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, north of the Bruce Trail, in a mixed-wood deciduous-dominated forest, corticolous on *Populus* sp., 13.vi.2016, *R.T. McMullin 17928* (CANL). Humber River Watershed, Glen Haffy Conservation Area, Red Trail, exposed trees in a field, corticolous on *P. balsamifera*, 24.v.2014, *R.T. McMullin 14116* (OAC), Blue Trail, exposed trees at forest edge, corticolous on *P. tremuloides*, 24.v.2014, *R.T. McMullin 14150* (OAC), Albion Hills Conservation Area, clearing off of Terry Carr Memorial Trail, exposed area surrounded by mature mixed-wood forest, corticolous on *P. tremuloides*, 24.v.2014, *R.T. McMullin 14137* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, corticolous on an exposed

Fraxinus sp., along trail, 14.vi.2015, *R.T. McMullin 15636* (CANL), Rouge River Watershed, Toronto Zoo, Canadian Domain, mixed-wood forested area, exposed mature trees, corticolous on *P. tremuloides*, 19.ix.2013, *R.T. McMullin 12542* (OAC).

***Candelaria concolor* (Dicks.) Stein**

CANADA. ONTARIO. MUNICIPALITY OF TORONTO. Rouge River Watershed, Toronto Zoo, Canadian Domain, mixed-wood forested area, corticolous on *Acer* sp., 19.ix.2013, *R.T. McMullin 12545* (OAC). **PEEL REGION.** Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on *Acer* sp., 11.vi.2016, *R.T. McMullin 17867, 17885* (CANL), Silver Creek Conservation Area, Bruce Trail, ~350 m southeast of Side Road 27, in a mature mixed-wood deciduous-dominated forest, corticolous on *A. saccharum*, 10.vi.2016, *R.T. McMullin 17992* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, exposed trees near parking lot, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14120* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Sunny Brook Park, from western entrance, mature mixed-wood forest along stream, corticolous on a deciduous snag, 13.vi.2015, *R.T. McMullin 15618* (CANL), Humber Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, in a second-growth mixed-wood forest, corticolous on *Fraxinus americana*, 24.v.2014, *R.T. McMullin 14132* (OAC).

***Candelariella aurella* (Hoffm.) Zahlbr.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, ~100 m west of main parking lot, saxicolous on calcareous rock, 11.vi.2016, *R.T. McMullin 17874* (CANL), Belfountain Conservation Area, adjacent to the main parking lot, saxicolous on exposed concrete in the main parking lot, 13.vi.2016, *R.T. McMullin 17957* (CANL), Humber River Watershed, Albion Hills Conservation Area, near gatehouse at entrance to campground, saxicolous on exposed concrete with partial shade from the adjacent forest, 24.v.2014, *R.T. McMullin 14156* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Sunny Brook Park, western entrance, mature mixed-wood forest along stream, saxicolous on concrete, 13.vi.2015, *R.T. McMullin 15619* (CANL), Rouge River Watershed, Rouge National Urban Park, Glen Eagles Vista Trail, saxicolous on concrete, 19.ix.2013, *R.T. McMullin 12554* (OAC).

***Candelariella efflorescens* R.C. Harris & W.R. Buck**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop Trail, ~100 m east of the falls, in a mixed-wood forest, corticolous on fallen *B. papyrifera*, 13.vi.2016, *R.T. McMullin 17981* (CANL). **YORK REGION.** Don River Watershed, Vaughan, Baker's Woods, Corner of Thornhill Woods Dr. and Highway 7, lignicolous on exposed fence rail between parking lot and

playground, 14.vi.2015, *R.T. McMullin 15637* (CANL), Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a marsh with scattered snags and logs, surrounded by mature mixed-wood forest, lignicolous on a *T. occidentalis* snag, 19.ix.2013, *R.T. McMullin 12522* (OAC).

***Candelariella vitellina* (Hoffm.) Müll. Arg.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on an exposed non-calcareous boulder, 24.v.2014, *R.T. McMullin 14163* (OAC).

***Catillaria nigroclavata* (Nyl.) Schuler**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, ~100 m east of main parking lot, among exposed gravel, rocks, and scattered boulders, scattered shrubs and patches of grass, corticolous on *P. strobus*, 11.vi.2016, *R.T. McMullin 17878* (CANL), at the fork of Dominion and Bruce Trails, just north of a *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on a fallen branch, 14.vi.2016, *R.T. McMullin 17912* (CANL). **YORK REGION.** Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, matured mixed-wood forest, corticolous on a snag, 14.vi.2015, *R.T. McMullin 15616* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, in a second-growth forest, corticolous on *P. strobus*, 24.v.2014, *R.T. McMullin 14181* (OAC), Rouge River Watershed, Rouge Valley Conservation Centre, exposed tree on a cultivated lawn, corticolous on *Elaeagnus angustifolia*, 19.ix.2013, *R.T. McMullin 12569* (OAC).

***Chaenotheca* sp.**

CANADA. ONTARIO. YORK REGION. Don River Watershed, Vaughan, natural area along the east side of Dufferin, ~800 m north of Major Mackenzie, in *T. occidentalis* and hardwood swamp, lignicolous on a stump, 14.vi.2015, *R.T. McMullin 15612* (CANL).

***Chaenotheca balsamconensis* J.L. Allen & McMullin**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park south end of the Dominion Trail, in a *T. occidentalis* and *A. balsamea* swamp, fungicolous on *Trichaptum abietinum*, 14.vi.2016, *R.T. McMullin 17893* (CANL).

†***Chaenothecopsis* sp.**

CANADA. ONTARIO. YORK REGION. Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, lignicolous on a snag, 24.v.2014, *R.T. McMullin 14190* (OAC).

†***Chaenothecopsis debilis* (Turner & Borrer ex Sm.) Tibell**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Silver Creek Conservation Area, Bruce Trail, ~350 m southeast on Side Road 27, in a mature mixed-wood deciduous-dominated forest, lignicolous on a stump, 10.vi.2016, *R.T. McMullin 17977* (CANL).

***Chrysothrix caesia* (Flot.) Körb.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, exposed mature trees adjacent to the main parking lot, corticolous on *Quercus rubra*, 11.vi.2016, *R.T. McMullin 17861* (CANL), Belfountain Conservation Area, adjacent to main parking lot, exposed trees adjacent to main parking lot, corticolous on *Fraxinus* sp., 13.vi.2016, *R.T. McMullin 17960* (CANL), Humber River Watershed, Albion Hills Conservation Area, second-growth trees along path to the splash pad park, corticolous on *Fraxinus* sp., 24.v.2014, *R.T. McMullin 14085* (OAC), Glen Haffy Conservation Area, Blue Trail, amongst exposed trees on forest edge, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14151* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, mature mixed-wood forest, corticolous on a *Fraxinus* sp. snag, 14.vi.2015, *R.T. McMullin 15613* (CANL), Rouge River Watershed, Rouge Valley Conservation Centre, exposed tree on cultivated lawn, corticolous on *E. angustifolia*, 19.ix.2013, *R.T. McMullin 12563* (OAC).

***Cladonia cenotea* (Ach.) Schaer.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Albion Hills Conservation Area, near gatehouse at the entrance to the campground, lignicolous on an old stump along a river and partially exposed within a mature forest, 24.v.2014, *R.T. McMullin 14162* (OAC).

***Cladonia chlorophaea* (Flörke ex Sommerf.) Spreng.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of Dominion Trail, in *T. occidentalis* and *A. balsamea* swamp, corticolous, 14.vi.2016, *R.T. McMullin 17906* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in a mature second-growth mixed-wood forest, saxicolous on a mossy rock, 24.v.2014, *R.T. McMullin 14075* (OAC). **YORK REGION.** Rouge River Watershed, Orchard Trail, in a marsh with scattered snags and logs, surrounded by mature mixed-wood forest, lignicolous on a log, 19.ix.2013, *R.T. McMullin 12517* (OAC), mature coniferous mixed-wood forest, dominated by *Picea* sp., *Pinus* sp., and *Thuja* sp., 19.ix.2013, *R.T. McMullin 12568* (OAC).

***Cladonia coniocraea* (Flörke) Spreng.**

CANADA. ONTARIO. YORK REGION. Rouge River Watershed, Orchard Trail, in a marsh with scattered snags and logs, surrounded by mature mixed-wood forest, lignicolous on a log, 19.ix.2013, *R.T. McMullin 12518* (OAC).

***Cladonia crispata* (Ach.) Flot.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Albion Hills Conservation Area, near gatehouse at the entrance to the campground, lignicolous on an old stump along a stream, partially shaded by a mature mixed-wood deciduous-dominated forest, 24.v.2014, *R.T. McMullin 14094* (OAC).

***Cladonia cristatella* Tuck.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Albion Hill Conservation Area, near gatehouse at the entrance to the campground, lignicolous on an old stump along a stream, partially shaded by a mature mixed-wood deciduous-dominated forest, 24.v.2014, *R.T. McMullin 14077* (OAC). **YORK REGION.** Rouge River Watershed, Orchard Trail, in a marsh with scattered snags and logs, surrounded by a mature mixed-wood forest, lignicolous on a log, 19.ix.2013, *R.T. McMullin 12531* (OAC).

***Cladonia cryptochlorophaea* Asahina**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, in a mixed-wood forest, saxicolous, 24.v.2014, *R.T. McMullin 14107* (OAC).

***Cladonia decorticata* (Flörke) Spreng.**

CANADA. ONTARIO. YORK REGION. Rouge River Watershed, Orchard Trail, in a marsh with a high concentration of snags and logs, surrounded by mature mixed-wood forest, lignicolous on a log, 19.ix.2013, *R.T. McMullin 12519* (OAC).

***Cladonia digitata* (L.) Hoffm.**

CANADA. ONTARIO. YORK REGION. Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, lignicolous on a stump, 24.v.2014, *R.T. McMullin 14130* (OAC).

***Cladonia fimbriata* (L.) Fr.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Trail, in basin below falls, northwest side of the river, in a mixed-wood deciduous forest, lignicolous on a log, 13.vi.2016, *R.T. McMullin 17998* (CANL).

***Cladonia incrassata* Flörke**

CANADA. ONTARIO. YORK REGION. Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags,

lignicolous on a stump, 24.v.2014, *R.T. McMullin 14139* (OAC).

***Cladonia macilenta* var. *bacillaris* (Genth) Schaer.**

CANADA. ONTARIO. YORK REGION. Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, lignicolous on a stump, 24.v.2014, *R.T. McMullin 14149* (OAC), Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a marsh with a high concentration snags and fallen logs, surrounded by mature mixed-wood forest, lignicolous on a log, 19.ix.2013, *R.T. McMullin 12516* (OAC). **PEEL REGION.** Credit River Watershed, Forks of the Credit Provincial Park, on Dominion Rd., lignicolous on a *Thuja* fence rail, 14.vi.2016, *R.T. McMullin 17922* (CANL).

***Cladonia ochrochlora* Flörke**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Bell Falls, at the top of the falls, in a mixed-wood deciduous-dominated forest, lignicolous on a stump, 13.vi.2016, *R.T. McMullin 17889* (CANL), Forks of the Credit Provincial Park, south end of Dominion Trail, in a *T. occidentalis* and *A. balsamea* swamp, lignicolous, 14.vi.2016, *R.T. McMullin 17892* (CANL), corticolous on the base of a deciduous tree, 14.vi.2016, *R.T. McMullin 17907* (CANL), Silver Creek Conservation Area, along 8th line, ~750 m southeast of Side Road 27, in a mature mixed-wood deciduous-dominated forest, lignicolous on a stump, 10.vi.2016, *R.T. McMullin 17988* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in a mature second-growth mixed-wood forest, saxicolous on a mossy rock, 24.v.2014, *R.T. McMullin 14076* (OAC). **YORK REGION.** Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, lignicolous on a stump, 24.v.2014, *R.T. McMullin 14133* (OAC).

***Cladonia pocillum* (Ach.) Grognot**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Silver Creek Conservation Area, Bruce Trail, ~350 m southeast of Side Road 27, mature mixed-wood deciduous-dominated forest, terricolous on thin soil over rock, 10.vi.2016, *R.T. McMullin 17995* (CANL). **YORK REGION.** Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a clearing in a second growth mixed-wood forest adjacent to the Rouge River, terricolous on thin soil over rock, 19.ix.2013, *R.T. McMullin 12526* (OAC).

***Cladonia pyxidata* (L.) Hoffm.**

CANADA. ONTARIO. YORK REGION. Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a marsh with a high concentration of snags and logs, surrounded by mature mixed-wood forest,

lignicolous on a log, 19.ix.2013, *R.T. McMullin 12515* (OAC).

***Cladonia rei* Schaer.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, on a *Thuja* fence along Dominion Rd., terricolous on thin soil on fence rail, 14.vi.2016, *R.T. McMullin 17921* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in a mature second-growth mixed-wood forest, terricolous on mossy soil, 24.v.2014, *R.T. McMullin 14182* (OAC).

***Cladonia scabriuscula* (Delise) Nyl.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Albion Hills Conservation Area, near gatehouse at the entrance to the campground, lignicolous on an old stump along a stream, partially shaded by a mature mixed-wood forest, 24.v.2014, *R.T. McMullin 14180* (OAC).

***Clypeococcum hypocenomyces* D. Hawksw.**

CANADA. ONTARIO. YORK REGION. Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, lichenicolous on *Hypocenomyce scalaris*, 24.v.2014, *R.T. McMullin 14124* (OAC).

***Coenogonium pineti* Lücking & Lumbsch**

CANADA. ONTARIO. YORK REGION. Rouge River Watershed, Rouge National Urban Park, Vista Trail, in a mixed-wood forest dominated by conifers in a shaded valley, lignicolous on a log, 19.ix.2013, *R.T. McMullin 12555* (OAC). PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of Dominion Trail, in a *T. occidentalis* and *A. balsamea* swamp, lignicolous on a charred stump, 14.vi.2016, *R.T. McMullin 17895* (CANL), terricolous, 14.vi.2016, *R.T. McMullin 17896* (CANL).

***Cyphelium tigillare* (Ach.) Ach.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, lignicolous on an old *Thuja* fence ~1 km southwest of main parking lot, 14.vi.2016, *R.T. McMullin 17926* (CANL).

***Dictyocatenulata alba* Finley & E.F. Morris**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Dominion Trail, ~20 m from the river, in a mixed-wood deciduous-dominated forest, corticolous on a mature *B. alleghaniensis*, 14.vi.2016, *R.T. McMullin 17937* (CANL), Belfountain Conservation Area, Gorge Loop Trail, east of the falls, in a mixed-wood deciduous-dominated forest near the river basin, along a white clay stream, corticolous on a *B. papyrifera* snag, 13.vi.2016,

R.T. McMullin 17965 (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in mature second-growth mixed-wood forest, corticolous on *B. alleghaniensis*, 24.v.2014, *R.T. McMullin 14105* (OAC). YORK REGION. Rouge River Watershed, Vista Trail, in a mixed-wood forest dominated by conifers in a shaded valley, corticolous on *B. alleghaniensis*, 19.ix.2013, *R.T. McMullin 12558* (OAC).

***Dimelaena oreina* (Ach.) Norman**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on a non-calcareous exposed boulder in a field, 24.v.2014, *R.T. McMullin 14091* (OAC).

***Diplotomma venustum* (Körber) Körber**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, at the edge of a mixed-wood deciduous-dominated forest along the river basin, saxicolous on a rock wall above the falls, 13.vi.2016, *R.T. McMullin 17968* (CANL).

***Evernia mesomorpha* Nyl.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, ~200 m north of Bruce Trail, in a mixed-wood deciduous-dominated forest, corticolous on a dead *Rhus typhina* branch, 14.vi.2016, *R.T. McMullin 17939* (CANL), Belfountain Conservation Area, in basin with mixed-wood deciduous-dominated forest along the river, northwest side of the river, corticolous on a deciduous snag, 13.vi.2016, *R.T. McMullin 17978* (CANL). YORK REGION. Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, corticolous on *Larix laricina*, 24.v.2014, *R.T. McMullin 14125* (OAC).

***Flavoparmelia caperata* (L.) Hale**

CANADA. ONTARIO. MUNICIPALITY OF TORONTO. PEEL REGION. Credit River Watershed, Credit Provincial Park, eastern corner of the main parking lot, exposed mature trees adjacent to the main parking lot, corticolous on *Acer* sp., 11.vi.2016, *R.T. McMullin 17866* (CANL), Dominion Trail, ~400 m north of the Bruce Trail, in a mixed-wood deciduous-dominated forest, corticolous on an exposed *Ulmus* sp., 13.vi.2016, *R.T. McMullin 17933* (CANL), Silver Creek Conservation Area, along 8th line, ~750 m southeast of Side Road 27, in a mature mixed-wood deciduous-dominated forest, corticolous on *A. saccharum*, 10.vi.2016, *R.T. McMullin 17989* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, in a mature mixed-wood second-growth forest, corticolous on a recently fallen deciduous tree, 24.v.2014, *R.T. McMullin 14083* (OAC), YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of

Thornhill Woods Dr. and Highway 7, lignicolous on exposed *Thuja* fence rails between parking lot and playground, 14.vi.2015, *R.T. McMullin 15630* (CANL). Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, corticolous on a snag, 24.v.2014, *R.T. McMullin 14148* (OAC), Rouge River Watershed, Rouge National Urban Park, Woodland Trail, mature mixed-wood stand with large deciduous trees in exposed conditions, corticolous on an unknown ornamental deciduous tree, 19.ix.2013, *R.T. McMullin 12534* (OAC).

***Flavopunctelia flaventior* (Stirt.) Hale**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, on Dominion Rd., lignicolous on a *Thuja* fence post, 14.vi.2016, *R.T. McMullin 17924* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, exposed trees near the parking lot, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14178* (OAC), Albion Hills Conservation Area, second-growth trees along path to the splash pad park, corticolous on *Populus grandidentata*, 24.v.2014, *R.T. McMullin 14084* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, lignicolous on exposed *Thuja* fence rail between parking lot and playground, 14.vi.2015, *R.T. McMullin 15626* (CANL).

***Flavopunctelia soledica* (Nyl.) Hale**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, ~200 m west of Kettle Lake, corticolous on an exposed and mature *Fraxinus* sp. tree in a grassy field, 14.vi.2016, *R.T. McMullin 17949* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, mature mixed-wood second-growth forest, corticolous on a fallen deciduous tree, 24.v.2014, *R.T. McMullin 14101* (OAC), Red Trail, amongst exposed trees in a field, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14159* (OAC).

***Graphis scripta* (L.) Ach.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, corner of Dominion and Bruce Trails, north of a *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on *Acer* sp., 14.vi.2016, *R.T. McMullin 17916* (CANL), Silver Creek Conservation Area, Bruce Trail, ~350 m southeast on Side Road 27, in a mature mixed-wood deciduous-dominated forest, corticolous on *A. saccharum*, 10.vi.2016, *R.T. McMullin 17991* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in mature second-growth mixed-wood forest, corticolous on *A. rubrum*, 24.v.2014, *R.T. McMullin 14103* (OAC), corticolous on *B. alleghaniensis*, 24.v.2014, *R.T. McMullin 14104* (OAC). **YORK REGION.** Don River Watershed,

Vaughan, natural area along the east side of Dufferin, ~800 m north of Major Mackenzie, in *T. occidentalis* and hardwood swamp, corticolous on *B. alleghaniensis*, 14.vi.2015, *R.T. McMullin 15614* (CANL).

***Gyalecta jenensis* (Batsch) Zahlbr.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop Trail, east of the falls, ~100 m from the falls, in a mixed-wood deciduous-dominated forest along the river basin, saxicolous on calcareous rock, 13.vi.2016, *R.T. McMullin 17980* (CANL).

***Hyperphyscia adglutinata* (Flörke) H. Mayrh. & Poelt**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, at the eastern corner of the main parking lot, exposed mature trees adjacent to the main parking lot, corticolous on *Acer* sp., 11.vi.2016, *R.T. McMullin 17865* (CANL), Humber River Watershed, Kortright Conservation Area, in *Acer* dominated mixed-wood forest, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14187* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, within mixed-wood forest, corticolous on *Quercus* sp., 13.vi.2015, *R.T. McMullin 15639* (CANL), Rouge River Watershed, Rouge Valley Conservation Centre, exposed trees on cultivated lawn, corticolous on *E. angustifolia*, 19.ix.2013, *R.T. McMullin 12564* (OAC).

***Hypocnomyce scalaris* (Ach.) M. Choisy**

CANADA. ONTARIO. YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, mature mixed-wood forest, corticolous on *P. strobus*, 14.vi.2015, *R.T. McMullin 15647* (CANL), Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, lignicolous on a stump, 24.v.2014, *R.T. McMullin 14135* (OAC).

***Hypogymnia physodes* (L.) Nyl.**

CANADA. ONTARIO. YORK REGION. Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, corticolous on a snag, 24.v.2014, *R.T. McMullin 14152* (OAC).

†*Illosporopsis christiansenii* (B.L. Brady & D. Hawksw.) D. Hawksw.

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, ~200 m north of Bruce Trail, in a mixed-wood deciduous-dominated forest, lichenicolous on *Physcia* sp. on a dead *Q. rubra* branch, 14.vi.2016, *R.T. McMullin 17940* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, amongst exposed trees in a field, lichenicolous on *Physcia millegrana*, 24.v.2014, *R.T. McMullin 14166* (OAC).

***Julella fallaciosa* (Arnold) R.C. Harris**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Bruce Trail, ~50 m west of Meadow Trail, in a mixed-wood deciduous-dominated forest on a slope to the Credit River, corticolous on *Acer* sp., 14.vi.2016, *R.T. McMullin 17943* (CANL), Belfountain Conservation Area, Gorge Loop Trail, ~100 m from the falls, in a mixed-wood deciduous-forest along the river basin, corticolous on *Betula* sp. snag, 13.vi.2016, *R.T. McMullin 17982* (CANL), Terra Cotta Conservation Area, Terra Cotta Lane Side Trail, ~350 m southwest of Winston Churchill Blvd., in a mature mixed-wood deciduous-dominated forest, corticolous on *B. papyrifera*, 11.vi.2016, *R.T. McMullin 17996* (CANL). **YORK REGION.** Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, mature mixed-wood forest dominated by *A. saccharum*, corticolous on *Acer* sp., 14.vi.2015, *R.T. McMullin 15641* (CANL), Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, mature mixed-wood forest beside bog, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14128* (OAC), Rouge River Watershed, Orchard Trail, in a marsh with scattered snags and logs, surrounded by matured mixed-wood forest, corticolous on *B. papyrifera*, 19.ix.2013, *R.T. McMullin 12521* (OAC).

***Lecania croatica* (Zahlbr.) Kotlov**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of the Dominion Trail, in a *T. occidentalis* and *A. balsamea* swamp, corticolous on a deciduous tree, 14.vi.2016, *R.T. McMullin 17909* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in mature second-growth mixed-wood forest, corticolous on *A. rubrum*, 24.v.2014, *R.T. McMullin 14114* (OAC), Kortright Conservation Area, within *Acer* sp. forest, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14188* (OAC). **YORK REGION.** Don River Watershed, Vaughan, natural area along the east side of Dufferin, ~800 m north of Major Mackenzie, in *T. occidentalis* and hardwood swamp, corticolous on *Fagus grandifolia* and *Tilia* sp., 14.vi.2015, *R.T. McMullin 15653* (CANL).

***Lecania naegelii* (Hepp) Diederich & V.D. Boom**

CANADA. ONTARIO. MUNICIPALITY OF TORONTO. Rouge River Watershed, Toronto Zoo, Canadian Domain, in a mixed-wood forested area, exposed mature trees, corticolous on *P. tremuloides*, 19.ix.2013, *R.T. McMullin 12546* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, corticolous on exposed *Fraxinus* sp., 14.vi.2015, *R.T. McMullin 15654* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, second-growth

forest along trail, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14140* (OAC).

***Lecanora allophana* f. *sorediata* Nyl.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Albion Hills Conservation Area, near Terry Carr Memorial Trail, mature mixed-wood forest along a stream, corticolous on an exposed *P. tremuloides*, 24.v.2014, *R.T. McMullin 14131* (OAC).

***Lecanora carpinea* (L.) Vain.**

CANADA. ONTARIO. YORK REGION. Don River Watershed. Nevada Park, trail off Hunterwood Chase, corticolous, 14.vi.2015, *R.T. McMullin 15728* (CANL).

***Lecanora hybocarpa* (Tuck.) Brodo**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, fork of Dominion and Bruce Trails, north of *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on a deciduous snag, 14.vi.2016, *R.T. McMullin 17913* (CANL), Humber River Watershed, Albion Hills Conservation Area, second-growth trees along path to the splash pad park, corticolous on *A. rubrum*, 24.v.2014, *R.T. McMullin 14090* (OAC).

***Lecanora polytropa* (Hoffm.) Rabenh.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on an exposed non-calcareous boulder, 24.v.2014, *R.T. McMullin 14165* (OAC). **YORK REGION.** Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in clearings in a second growth mixed-wood forest adjacent to the Rouge River, saxicolous on non-calcareous rock, 19.ix.2013, *R.T. McMullin 12525* (OAC).

***Lecanora pulicaris* (Pers.) Ach.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, corticolous on an exposed *P. strobus* at the edge of the main parking lot, 13.vi.2016, *R.T. McMullin 17999* (CANL). **YORK REGION.** Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, within second-growth forest along trail, corticolous on *P. strobus*, 24.v.2014, *R.T. McMullin 14109* (OAC).

***Lecanora sambuci* (Pers.) Nyl.**

CANADA. ONTARIO. MUNICIPALITY OF TORONTO. Rouge River Watershed, Toronto Zoo, Canadian Domain, in a mixed-wood forested area, exposed mature trees, corticolous on *P. tremuloides*, 19.ix.2013, *R.T. McMullin 12546* (OAC). **PEEL REGION.** Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, north of the Bruce Trail, in a mixed-

wood deciduous-dominated forest, corticolous on *Populus* sp., 13.vi.2016, *R.T. McMullin 17929* (CANL). YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, corticolous on exposed *Fraxinus* sp., 14.vi.2015, *R.T. McMullin 15623* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, second-growth forest along trail, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14126* (OAC).

***Lecanora symmicta* (Ach.) Ach.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, ~1 km southwest of the main parking lot, lignicolous on an old *Thuja* fence, 14.vi.2016, *R.T. McMullin 17927* (CANL), Humber River Watershed, Albion Hills Conservation Area, second-growth trees along path to the splash pad park, corticolous on *A. rubrum*, 24.v.2014, *R.T. McMullin 14086* (OAC). YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, lignicolous on exposed *Thuja* fence rails between parking lot and playground, 14.vi.2015, *R.T. McMullin 15621* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near to Wedding Hill, second-growth forest along trail, corticolous on *P. strobus*, 24.v.2014, *R.T. McMullin 14179* (OAC).

***Lecanora thysanophora* Harris**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, fork of the Dominion and Bruce Trails, north of a *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on *Acer* sp., 14.vi.2016, *R.T. McMullin 17918* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in mature second-growth mixed-wood forest, corticolous on a deciduous snag, 24.v.2014, *R.T. McMullin 14141* (OAC). YORK REGION. Don River Watershed, Vaughan, natural area along the east side of Dufferin, ~800 m from Major Mackenzie, in *T. occidentalis* and hardwood swamp, corticolous on *Acer* sp., 14.vi.2015, *R.T. McMullin 15627* (CANL), Rouge River Watershed, Rouge National Urban Park, Woodland Trail, in a mature mixed-wood forest with large and exposed deciduous trees, corticolous on *Q. rubra*, 19.ix.2013, *R.T. McMullin 12532* (OAC).

***Lecidella stigmataea* (Ach.) Hertel & Leuckert**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, adjacent to the main parking lot, saxicolous on exposed concrete in the main parking lot, 13.vi.2016, *R.T. McMullin 17956* (CANL), saxicolous on the rock wall above the falls, 13.vi.2016, *R.T. McMullin 17967* (CANL), Humber River Watershed, Albion Hills Con-

servation Area, near gatehouse at the entrance to the campground, saxicolous on exposed concrete with partial shade from adjacent forest, 24.v.2014, *R.T. McMullin 14170* (OAC).

***Lepraria finkii* (B. de Lesd.) R.C. Harris**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Bell Falls, in a mixed-wood deciduous-dominated forest at the top of the falls, lignicolous on a stump, 13.vi.2016, *R.T. McMullin 17890* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in mature second-growth mixed-wood forest, lignicolous on a log, 24.v.2014, *R.T. McMullin 14171* (OAC). YORK REGION. Don River Watershed, Vaughan, Sunny Brook Park, western entrance, mature mixed-wood forest along a stream, corticolous on *Salix* sp., 13.vi.2015, *R.T. McMullin 15649* (CANL), Rouge River Watershed, Rouge National Urban Park, Vista Trail, in a mixed-wood forest dominated by conifers in a shaded valley, corticolous on *T. occidentalis*, 19.ix.2013, *R.T. McMullin 12560* (OAC).

***Lepraria neglecta* (Nyl.) Erichsen**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in a mature second-growth mixed-wood forest, corticolous on *Tsuga canadensis*, 24.v.2014, *R.T. McMullin 14172* (OAC).

***Melanelixia subargentifera* (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Albion Hills Conservation Area, clearing off of Terry Carr Memorial Trail, in an exposed area surrounded by mature mixed-wood forest, corticolous on an exposed *P. tremuloides*, 24.v.2014, *R.T. McMullin 14143* (OAC).

***Melanelixia subaurifera* (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, ~145 m downstream of the falls, saxicolous on exposed boulders in and along the river, 13.vi.2016, *R.T. McMullin 17882* (CANL), Meadow Trail, ~200 m north of Bruce Trail, in a mixed-wood deciduous-dominated forest, corticolous on a dead *R. typhina* branch, 14.vi.2016, *R.T. McMullin 17944* (CANL). YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, lignicolous on exposed *Thuja* fence rail between main parking lot and playground, 14.vi.2015, *R.T. McMullin 15655* (CANL), Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, corti-

colous on a snag, 24.v.2014, *R.T. McMullin 14142* (OAC), McMichael Canadian Art Collection grounds, near Wedding Hill, second-growth forest along trail, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14144* (OAC), Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a marsh with scattered snags and logs, surrounded by mature mixed-wood forest, corticolous on *T. occidentalis*, 19.ix.2013, *R.T. McMullin 12520* (OAC).

***Micarea prasina* s. lat. Fr.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of Dominion Trail, in a *T. occidentalis* and *A. balsamea* swamp, corticolous on *T. occidentalis*, 14.vi.2016, *R.T. McMullin 17905* (CANL).

***Micarea peliocarpa* (Anzi) Coppins & R. Sant.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, along a stream running beside the Blue Trail in a mature second-growth mixed-wood forest, lignicolous on a stump, 24.v.2014, *R.T. McMullin 14079* (OAC).

***Montanelia soredata* (Ach.) Goward & Ahti**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on an exposed boulder, 24.v.2014, *R.T. McMullin 14110* (OAC).

†***Mycocalicium subtile* (Pers.) Szatala**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of the Dominion Trail, in a *T. occidentalis* and *A. balsamea* swamp, lignicolous on a decorticated stump, 14.vi.2016, *R.T. McMullin 17908* (CANL), Meadow Trail, ~50 m west of Kettle Lake, in a mixed-wood deciduous-dominated forest, lignicolous on a snag, 14.vi.2016, *R.T. McMullin 17948* (CANL).

***Myelochroa aurulenta* (Tuck.) Elix & Hale**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, at the fork of the Dominion and Bruce Trails, north of a *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on *Acer* sp., 14.vi.2016, *R.T. McMullin 17917* (CANL).

***Myriolecis dispersa* (Pers.) Śliwa, Zhao Xin & Lumbsch**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on an exposed calcareous boulder, 24.v.2014, *R.T. McMullin 14173* (OAC). YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, trailside man-made small talus slope, saxicolous on concrete, 14.vi.2015, *R.T. McMullin 15625* (CANL), Rouge Riv-

er Watershed, Glen Eagles Vista Trail, saxicolous on an exposed calcareous boulder surrounded by mixed-wood forest, 19.ix.2013, *R.T. McMullin 12551* (OAC).

***Myriolecis hagenii* (Ach.) Ach.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, along Dominion Rd., lignicolous on an old exposed *Thuja* fence, 14.vi.2016, *R.T. McMullin 17925* (CANL). YORK REGION. Humber River Watershed, McMichael Canadian Art Collection grounds, lignicolous on exposed wooden sign post, 24.v.2014, *R.T. McMullin 14185* (OAC).

***Myriolecis semipallida* H. Magn.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, saxicolous on exposed concrete in the main parking lot, 13.vi.2016, *R.T. McMullin 17959* (CANL).

***Ochrolechia arborea* (Kreyer) Almb.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of the park off Dominion Trail, corticolous on a living fallen *T. occidentalis* over the Credit River, 14.vi.2016, *R.T. McMullin 17901* (CANL). YORK REGION. Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, in a bog with scattered trees and snags, corticolous on a snag, 24.v.2014, *R.T. McMullin 14123* (OAC), Rouge River Watershed, Rouge National Urban Park, Woodland Trail, in a mature mixed-wood forest with large and exposed deciduous trees, corticolous on a snag, 19.ix.2013, *R.T. McMullin 12539* (OAC).

†***Ovicuculispora parmeliae* (Berk. & Curt.) Etayo**

CANADA. ONTARIO. MUNICIPALITY OF TORONTO. Don River Watershed, Ontario Science Centre woodlands, mixed-wood forest, lichenicolous on *Physcia stellaris*, 14.vi.2015, *R.T. McMullin 15648* (CANL). PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot on an exposed tree, lichenicolous on *Physcia* sp. on *Q. rubra*, 11.vi.2016, *R.T. McMullin 17863* (CANL).

***Parmelia sulcata* Taylor**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, along Credit River, ~145 m downstream of the falls, saxicolous on large exposed boulders in and along the river, 13.vi.2016, *R.T. McMullin 17884* (CANL), Dominion Trail, ~400 m north of the Bruce Trail, in a mixed-wood deciduous-dominated forest, corticolous on an exposed *Ulmus* sp., 13.vi.2016, *R.T. McMullin 17932* (CANL), Silver Creek Conservation Area, along 8th line, ~750 m southeast of Side Road 27, in a mature mixed-wood deciduous-dominated forest, corti-

colous on a snag, 10.vi.2016, *R.T. McMullin 17987* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, among exposed trees near to parking lot, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14121* (OAC). YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, lignicolous on exposed fence rail between parking lot and campground, 14.vi.2015, *R.T. McMullin 15642* (CANL), Rouge River Watershed, Rouge Valley Conservation Centre, exposed trees on cultivated lawn, corticolous on *F. americana*, 19.ix.2013, *R.T. McMullin 12561* (OAC).

***Peltigera evansiana* Gyeln.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop Trail, east of the falls, mixed-wood deciduous-dominated forest near river basin, along a white clay stream, terricolous at the base of a *B. papyrifera* snag, 13.vi.2016, *R.T. McMullin 17966* (CANL), at the edge of a mixed-wood deciduous-dominated forest along the river basin, terricolous on the rock wall above the falls, 13.vi.2016, *R.T. McMullin 17984* (CANL).

***Peltigera praetextata* (Flörke ex Sommerf.) Zopf**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop trail, in the basin along the river, in a mixed-wood deciduous-dominated forest, northwest side of the river, terricolous on a moss-covered rock, 13.vi.2016, *R.T. McMullin 17972* (CANL), Humber River Watershed, Blue Trail, along stream on a mossy rock, 24.v.2014, *R.T. McMullin 14095* (OAC). YORK REGION. Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a mature mixed-wood forest dominated by *Pinus* sp., *Picea* sp., and *Thuja* sp., lignicolous on a moss-covered log, 19.ix.2013, *R.T. McMullin 12566* (OAC).

***Peltigera rufescens* (Weiss) Humb.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, on a small side trail off the Bruce Trail, in a deciduous-dominated forest, along the shore of the Credit River, terricolous on well-drained soil, 14.vi.2016, *R.T. McMullin 17880* (CANL).

***Pertusaria macounii* (Lamb) Dibben**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Silver Creek Conservation Area, Bruce Trail, ~350 m southeast on Side Road 27, in a mature mixed-wood deciduous-dominated forest, corticolous on *F. grandifolia*, 10.vi.2016, *R.T. McMullin 17997* (CANL).

†***Phaeocalicium curtisii* (Tuck.) Tibell**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park,

Meadow Trail, ~200 m north of Bruce Trail, in a mixed-wood deciduous forest, corticolous on *R. typhina* branches, 14.vi.2016, *R.T. McMullin 17945* (CANL). YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, mature mixed-wood forest, corticolous on *R. typhina*, 14.vi.2015, *R.T. McMullin 15646* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, among exposed trees near parking lot, corticolous on *R. typhina*, 24.v.2014, *R.T. McMullin 14102* (OAC).

†***Phaeocalicium polyporaenum* (Nyl.) Tibell**

CANADA. ONTARIO. YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, mature mixed-wood forest, fungicolous on *Trichaptum bifforme*, 14.vi.2015, *R.T. McMullin 15650* (CANL).

***Phaeophyscia adiastrata* (Essl.) Essl.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop Trail, in the basin along the river, in a mixed-wood deciduous-dominated forest, northwest side of the river, bryicolous, 13.vi.2016, *R.T. McMullin 17971* (CANL).

***Phaeophyscia kairamoi* (Vain.) Moberg**

CANADA. ONTARIO. YORK REGION. Rouge River Watershed, Rouge National Urban Park, Woodland Trail, in a mature mixed-wood forest with large and exposed deciduous trees, corticolous on *A. nigrum*, 19.ix.2013, *R.T. McMullin 12537* (OAC).

***Phaeophyscia orbicularis* (Neck.) Moberg**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, lignicolous on an exposed wooden picnic table, 24.v.2014, *R.T. McMullin 14113* (OAC). YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, saxicolous on an exposed boulder, 14.vi.2015, *R.T. McMullin 15628* (CANL), Rouge River Watershed, Glen Eagles Vista Trail, saxicolous on a partially shaded boulder, 19.ix.2013, *R.T. McMullin 12549* (OAC).

***Phaeophyscia pusilloides* (Zahlbr.) Essl.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Meadow Trail, near Kettle Lake, in a mixed-wood deciduous-dominated forest, corticolous on *Fraxinus* sp., 14.vi.2016, *R.T. McMullin 17947* (CANL), Belfountain Conservation Area, Gorge Loop Trail, in the basin along the river, in a mixed-wood forest, northwest side of the river, corticolous on a deciduous snag, 13.vi.2016, *R.T. McMullin 17973* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, among exposed trees near parking lot, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin*

14122 (OAC). YORK REGION. Don River Watershed, Vaughan, Sunny Brook Park, near western entrance, mature mixed-wood forest along a stream, corticolous on a deciduous snag, 13.vi.2015, *R.T. McMullin 15620* (CANL), Humber Watershed, Toronto Region Conservation Authority, Swan Lake, within a mature mixed-wood forest beside bog, corticolous on *Q. rubra*, 24.v.2014, *R.T. McMullin 14183* (OAC), Rouge River Watershed, Orchard Trail, in a clearing in a second-growth mixed-wood forest adjacent to the Rouge River, corticolous on *Acer* sp., 19.ix.2013, *R.T. McMullin 12528* (OAC).

***Phaeophyscia rubropulchra* (Degel.) Essl.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop Trail, west side of river, corticolous on a deciduous snag, 13.vi.2016, *R.T. McMullin 17899* (CANL), Silver Creek Conservation Area, along 8th line, ~750 m southeast of Side Road 27, in a mature mixed-wood deciduous-dominated forest on calcareous rock, corticolous on *A. saccharum*, 10.vi.2016, *R.T. McMullin 17986* (CANL), Humber River Watershed, Albion Hills Conservation Area, clearing off of Terry Carr Memorial Trail, in an exposed area surrounded by mature mixed-wood forest, corticolous on *Crataegus* sp., 24.v.2014, *R.T. McMullin 14092* (OAC). YORK REGION. Don River Watershed, Vaughan, natural area along the east side of Dufferin, ~800 m north of Major Mackenzie, in a *T. occidentalis* and hardwood swamp, corticolous on a deciduous snag, 14.vi.2015, *R.T. McMullin 15635* (CANL), Humber River Watershed, Toronto Region Conservation Authority, Swan Lake, mature mixed-wood forest beside bog, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14127* (OAC), Rouge River Watershed, Woodland Trail, mature mixed-wood forest with large and exposed deciduous trees, corticolous on a snag, 19.ix.2013, *R.T. McMullin 12541* (OAC).

***Physcia adscendens* (Fr.) H. Olivier**

CANADA. ONTARIO. MUNICIPALITY OF TORONTO. Rouge River Watershed, Toronto Zoo, Canadian Domain, exposed mature trees within a mixed-wood forest, corticolous on *Acer* sp., 19.ix.2013, *R.T. McMullin 12547* (OAC). PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on exposed *Acer* sp., 11.vi.2016, *R.T. McMullin 17850* (CANL), fork of Dominion and Bruce Trails, north of *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on *Malus* sp., 14.vi.2016, *R.T. McMullin 17920* (CANL), Dominion Trail, ~400 m north of Bruce Trail, mixed-wood deciduous-dominated forest, corticolous on exposed *Ulmus* sp., 13.vi.2016, *R.T. McMullin 17931* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, exposed trees near main parking lot, corticolous on *A. saccharum*,

24.v.2014, *R.T. McMullin 14119* (OAC). YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, within a mature mixed-wood forest, corticolous on a snag, 14.vi.2015, *R.T. McMullin 15652* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, second-growth forest, corticolous on *P. strobus*, 24.v.2014, *R.T. McMullin 14136* (OAC).

***Physcia aipolia* (Ehrh. ex Humb.) Fürnr.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop Trail, in a humid mixed-wood forest, corticolous on a deciduous snag, 13.vi.2016, *R.T. McMullin 17897* (CANL), exposed trees adjacent to the main parking lot, corticolous on exposed *Fraxinus* sp., 13.vi.2016, *R.T. McMullin 17954* (CANL), *R.T. McMullin 17962* (CANL), Forks of the Credit Provincial Park, Meadow Trail, near Kettle Lake, in a mixed-wood deciduous-dominated forest, corticolous on *Fraxinus* sp., 14.vi.2016, *R.T. McMullin 17946* (CANL). YORK REGION. Don River Watershed, Vaughan, natural area along the east side of Dufferin, ~800 m north of Major Mackenzie, in a *T. occidentalis* and hardwood swamp, corticolous on a deciduous snag, 14.vi.2015, *R.T. McMullin 15634* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, within second-growth forest along trail, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14169* (OAC), Rouge River Watershed, Rouge National Urban Park, Woodland Trail, in a mature mixed-wood forest with large and exposed deciduous trees, corticolous on *A. nigrum*, 19.ix.2013, *R.T. McMullin 12540* (OAC).

***Physcia dubia* (Hoffm.) Lettau**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, adjacent to the main parking lot, saxicolous on an exposed boulder, 11.vi.2016, *R.T. McMullin 17853* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on exposed boulders, 24.v.2014, *R.T. McMullin 14154* (OAC).

***Physcia millegrana* Degel.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, exposed trees adjacent to the main parking lot, corticolous on *Fraxinus* sp., 13.vi.2016, *R.T. McMullin 17963* (CANL), Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on exposed *Acer* sp. trees adjacent to the main parking lot, 11.vi.2016, *R.T. McMullin 17859* (CANL), fork of Dominion and Bruce Trails, north of a *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on *Malus* sp., 14.vi.2016, *R.T. McMullin 17919* (CANL), Humber River Watershed,

Glen Haffy Conservation Area, Red Trail, Lookout Point, exposed trees near main parking lot, corticolous on *A. saccharum*, 24.v.2014, *R.T. McMullin 14117* (OAC). YORK REGION. Don River Watershed, Vaughan, Sunny Brook Park from the western entrance, within a mature mixed-wood forest along a stream, corticolous on *Tilia* sp., 14.vi.2015, *R.T. McMullin 15622* (CANL), Rouge River Watershed, Rouge Valley Conservation Centre, exposed trees on a cultivated lawn, corticolous on *F. americana*, 19.ix.2013, *R.T. McMullin 12565* (OAC).

***Physcia stellaris* (L.) Nyl.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on an exposed mature *Q. rubra* adjacent to the main parking lot, 11.vi.2016, *R.T. McMullin 17851* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, among exposed trees in a field, corticolous on a deciduous snag, 24.v.2014, *R.T. McMullin 14098* (OAC). YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, lignicolous on an exposed *Thuja* fence rail between the parking lot and playground, 14.vi.2015, *R.T. McMullin 15617* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, second-growth forest along trail, corticolous on *P. strobus*, 24.v.2014, *R.T. McMullin 14097* (OAC), Rouge River Watershed, Rouge Valley Conservation Centre, exposed trees on a cultivated lawn, corticolous on *F. americana*, 19.ix.2013, *R.T. McMullin 12562* (OAC).

***Physciella chloantha* (Ach.) Essl.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on an exposed mature *Acer* sp., 11.vi.2016, *R.T. McMullin 17860* (CANL), Bruce Trail, ~200 m south of Meadow Trail, in a mixed-wood deciduous-dominated forest, corticolous on *Fraxinus* sp., 14.vi.2016, *R.T. McMullin 17941* (CANL), ~250 m south of Meadow Trail, in a mixed-wood deciduous-dominated forest, corticolous on *Acer* sp., 14.vi.2016, *R.T. McMullin 17942* (CANL). YORK REGION. Don River Watershed, Vaughan, Sunny Brook Park, near western entrance, within a mature mixed-wood forest along a stream, corticolous on *Ulmus* sp., 13.vi.2015, *R.T. McMullin 15624* (CANL), Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, within second-growth forest along trail, corticolous on a deciduous snag, 24.v.2014, *R.T. McMullin 14082* (OAC).

***Physciella melanchra* (Hue) Essl.**

CANADA. ONTARIO. MUNICIPALITY OF TORONTO. Rouge River Watershed, Toronto Zoo, Canadian Domain, exposed mature trees within a mixed-

wood forested area, corticolous on *Acer* sp., 19.ix.2013, *R.T. McMullin 12543* (OAC). PEEL REGION. Humber River Watershed, Albion Hills Conservation Area, second-growth trees along path to the splash pad park, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14088* (OAC).

***Physconia detersa* (Nyl.) Poelt S5**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop Trail, in a humid mixed-wood forest, corticolous on a deciduous snag, 13.vi.2016, *R.T. McMullin 17898* (CANL). YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, within a mature mixed-wood forest, corticolous on a snag, 14.vi.2015, *R.T. McMullin 15633* (CANL), Humber River Watershed, Kortright Conservation Area, within *Acer* sp. forest, corticolous on a fallen snag, 24.v.2014, *R.T. McMullin 14186* (OAC), Rouge River Watershed, Rouge National Urban Park, Vista Trail, mixed-wood forest dominated by conifers in a shaded valley, corticolous on *B. papyrifera*, 19.ix.2013, *R.T. McMullin 12556* (OAC).

***Physconia enteroxantha* (Nyl.) Poelt**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on a mature exposed *Acer* sp., 11.vi.2016, *R.T. McMullin 17856* (CANL), along the Credit River, ~145 m downstream from the falls, saxicolous on large exposed boulders in and along the river, 13.vi.2016, *R.T. McMullin 17881* (CANL), Dominion Trail, ~400 m north of the Bruce Trail, in a mixed-wood deciduous-dominated forest, corticolous on an exposed *Ulmus* sp., 13.vi.2016, *R.T. McMullin 17934* (CANL), Belfountain Conservation Area, adjacent to the main parking lot, corticolous on a mature exposed *Fraxinus* sp., 13.vi.2016, *R.T. McMullin 17955* (CANL), Humber River Watershed, Albion Hills Conservation Area, clearing off of Terry Carr Memorial Trail, in an exposed area surrounded by mature mixed-wood forest, corticolous on *Fraxinus* sp., 24.v.2014, *R.T. McMullin 14080* (OAC), second-growth trees along path to the splash pad park, corticolous on *Ulmus* sp., 24.v.2014, *R.T. McMullin 14087* (OAC), Glen Haffy Conservation Area, Red Trail, Lookout Point, exposed trees near parking lot, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14177* (OAC). YORK REGION. Rouge River Watershed, Woodland Trail, in a mature mixed-wood forest with large and exposed deciduous trees, corticolous on *A. nigrum*, 19.ix.2013, *R.T. McMullin 12538* (OAC).

***Placidium squamulosum* (Ach.) Breuss**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, exposed area ~50 m west of the main parking lot, surrounded by exposed gravel, rocks, and boulders, scat-

tered shrubs and patches of grass, terricolous, 11.vi.2016, *R.T. McMullin 17876* (CANL).

***Placynthium nigrum* (Huds.) Gray**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, along the Credit River, ~245 m south of the falls, in a large river valley, in a mixed-wood deciduous-dominated forest, saxicolous on shoreline rocks, 13.vi.2016, *R.T. McMullin 17888* (CANL), Belfountain Conservation Area, Gorge Loop Trail, in the basin along the river, in a mixed-wood deciduous-dominated forest, northwest side of the river, saxicolous, 13.vi.2016, *R.T. McMullin 17970* (CANL).

***Porpidia crustulata* (Ach.) Hertel & Knoph**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Dominion Trail, ~400 m north of the Bruce Trail, in a mixed-wood deciduous-dominated forest, saxicolous, 13.vi.2016, *R.T. McMullin 17935* (CANL).

***Porpidia macrocarpa* (DC.) Hertel & A.J. Schwab**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Belfountain Conservation Area, Gorge Loop Trail, in the river basin below the Bell Falls, in a mixed-wood deciduous-dominated forest, northwest side of the river, saxicolous, 13.vi.2016, *R.T. McMullin 17974* (CANL).

***Protoblastenia rupestris* (Scop.) J. Steiner**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park River, along the Credit River, ~250 m south of the falls, in a mixed-wood deciduous-dominated forest, saxicolous on calcareous rock along the shore of the Credit River, 13.vi.2016, *R.T. McMullin 17952* (CANL), Belfountain Conservation Area, Gorge Loop Trail, in the basin along the river, in a mixed-wood deciduous-dominated forest, northwest side of the river, saxicolous on calcareous rock, 13.vi.2016, *R.T. McMullin 17975* (CANL). YORK REGION. Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a clearing in a second-growth mixed-wood forest adjacent to Rouge River, saxicolous on rock, 19.ix.2013, *R.T. McMullin 12527* (OAC).

***Protoparmelia hypotremella* Herk, Spier & V. Wirth**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of the park, fallen but living and mature *T. occidentalis* over the Credit River, corticolous on a dead branch, host for *Sphinctrina anglica*, 14.vi.2016, *R.T. McMullin 17904* (CANL).

***Protoparmeliopsis muralis* (Schreb.) Rabenh.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park,

exposed area ~50 m west of the main parking lot, surrounded by exposed gravel, rocks, boulders, scattered shrubs and patches of grass, saxicolous, 11.vi.2016, *R.T. McMullin 17869* (CANL), *R.T. McMullin 17873* (CANL), Humber River Watershed, Albion Hills Conservation Area, near the Terry Carr Memorial Trail, saxicolous on exposed concrete, 24.v.2014, *R.T. McMullin 14093* (OAC).

***Punctelia rudecta* (Ach.) Krog**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on exposed mature *Acer* sp. adjacent to the main parking lot, 11.vi.2016, *R.T. McMullin 17862* (CANL), along the Credit River, ~145 m downstream of the falls, in the river basin, saxicolous on large exposed boulders in and along the river, 13.vi.2016, *R.T. McMullin 17885* (CANL), south end of the park, corticolous on a mature, living, fallen *T. occidentalis* over the Credit River, 14.vi.2016, *R.T. McMullin 17900* (CANL), Humber River Watershed, Albion Hills Conservation Area, clearing off of Terry Carr Memorial Trail, within an exposed area surrounded by mature mixed-wood forest, corticolous on *Crataegus* sp., 24.v.2014, *R.T. McMullin 14081* (OAC). YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, mature mixed-wood forest dominated by *A. saccharum*, corticolous on a deciduous snag, 14.vi.2015, *R.T. McMullin 15629* (CANL), Rouge River Watershed, Rouge National Urban Park, Woodland Trail, in a mature mixed-wood forest with large and exposed deciduous trees, corticolous on *Q. rubra*, 19.ix.2013, *R.T. McMullin 12533* (OAC).

***Rhizocarpon reductum* (Ach.) A.Massal.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Red Trail, Lookout Point, saxicolous on exposed non-calcareous boulder, 24.v.2014, *R.T. McMullin 14174* (OAC).

***Rinodina freyi* H. Magn.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on mature exposed *Q. rubra* adjacent to the main parking lot, 11.vi.2016, *R.T. McMullin 17950* (CANL).

***Sarcogyne hypophaea* (Nyl.) Arnold**

CANADA. ONTARIO. YORK REGION. Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a clearing in a second-growth mixed-wood forest adjacent to the Rouge River, saxicolous on non-calcareous rock, 19.ix.2013, *R.T. McMullin 12524* (OAC).

***Sarcogyne regularis* Körb.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, exposed area ~50 m west of the main parking lot, surrounded by gravel, rocks, and boulders, scattered shrubs and grasses, saxicolous, 11.vi.2016, *R.T. McMullin 17871* (CANL), Humber River Watershed, Albion Hills Conservation Area, near gatehouse at the entrance to the campground, saxicolous on an exposed calcareous boulder along a stream, 24.v.2014, *R.T. McMullin 14158* (OAC). **YORK REGION.** Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, saxicolous on calcareous trailside man-made small talus slope, 14.vi.2015, *R.T. McMullin 15609* (CANL), Rouge River Watershed, Rouge National Urban Park, Glen Eagles Vista Trail, saxicolous on an exposed calcareous boulder that is partially shaded by adjacent forest, 19.ix.2013, *R.T. McMullin 12550* (OAC).

†*Sarea resiniae* (Fr.) Kuntze

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, within a conifer-dominated mixed-wood forest, resinicolous on *Picea glauca*, 24.v.2014, *R.T. McMullin 14129* (OAC). **YORK REGION.** Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a mature coniferous mixed-wood forest, dominated by *Picea* sp., *Pinus* sp., and *Thuja* sp., resinicolous on *Picea* sp., 19.ix.2013, *R.T. McMullin 12567* (OAC).

***Scoliciosporum chlorococcum* (Stenh.) Vězda**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, fork of Dominion and Bruce Trails, north of *T. occidentalis* and *A. balsamea* swamp, in a mixed-wood deciduous-dominated forest, corticolous on a fallen canopy branch of a deciduous snag, 14.vi.2016, *R.T. McMullin 17914* (CANL). **YORK REGION.** Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, second-growth mixed-wood forest, corticolous on *P. strobus*, 24.v.2014, *R.T. McMullin 14175* (OAC).

***Scoliciosporum umbrinum* (Ach.) Arnold**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on a mature exposed *Q. rubra*, 11.vi.2016, *R.T. McMullin 17951* (CANL).

***Scytinium lichenoides* (L.) Otálora, P.M. Jørg. & Wedin**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Silver Creek Conservation Area, Bruce Trail, ~350 m southeast on Side Road 27, in a mature mixed-wood deciduous-dominated forest on calcareous rock, with bryophytes, saxicolous, 10.vi.2016, *R.T. McMullin 17990* (CANL).

†*Sphinctrina anglica* Nyl.

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, south end of the park, on a mature, living but fallen *T. occidentalis* over the Credit River, lichenicolous on *P. hypotremella* on a dead branch, 14.vi.2016, *R.T. McMullin 17903* (CANL).

†*Stenocybe pullatula* (Ach.) Stein

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, Dominion Trail, ~100 m north of Bruce Trail, along the Credit River, in the river valley, within a deciduous-dominated forest, along the shore of the Credit River, corticolous on *Alnus* sp. branches, 13.vi.2016, *R.T. McMullin 17985* (CANL).

***Trapelia placodioides* Coppins & P. James**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Terra Cotta Conservation Area, Terra Cotta Lane Side Trail, ~350 m southwest of Winston Churchill Blvd., in a mature mixed-wood deciduous-dominated forest, saxicolous, 11.vi.2016, *R.T. McMullin 17993* (CANL), Humber River Watershed, Glen Haffy Conservation Area, trail between the Red and Blue Trails, mature mixed-wood forest, saxicolous, 24.v.2014, *R.T. McMullin 14146* (OAC). **YORK REGION.** Rouge River Watershed, Rouge National Urban Park, Vista Trail, in a mixed-wood forest dominated by conifers in a shaded valley, saxicolous on rock, 19.ix.2013, *R.T. McMullin 12559* (OAC).

***Verrucaria calkinsiana* Servit**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, along the Credit River, on a small side trail off the Bruce Trail, deciduous-dominated mixed-wood forest, saxicolous on calcareous rock, 14.vi.2016, *R.T. McMullin 17879* (CANL). **YORK REGION.** Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, saxicolous on calcareous rock in man-made talus slope, 14.vi.2015, *R.T. McMullin 15603* (CANL).

***Viridothelium virens* (Tuck. ex E. Michener) Lücking, M.P. Nelsen & Aptroot**

CANADA. ONTARIO. YORK REGION. Don River Watershed, Vaughan, natural area along the east side of Dufferin, ~800 m north of Major Mackenzie, in *T. occidentalis* and hardwood swamp, corticolous on *F. grandifolia* and *Tilia* sp., 14.vi.2015, *R.T. McMullin 15644* (CANL).

***Xanthomendoza fallax* (Hepp ex Arnold) Søchting, Kärnefelt & S. Kondr.**

CANADA. ONTARIO. MUNICIPALITY OF TORONTO. Rouge River Watershed, Toronto Zoo, Canadian Domain, exposed mature trees within a mixed-wood forested area, corticolous on *Acer* sp., 19.ix.

2013, *R.T. McMullin 12544* (OAC). PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on mature exposed *Acer* sp. adjacent to parking lot, 11.vi.2016, *R.T. McMullin 17857* (CANL), Belfountain Conservation Area, corticolous on an exposed *Fraxinus* sp. adjacent to the main parking lot, 13.vi.2016, *R.T. McMullin 17961* (CANL), Humber River Watershed, Albion Hills Conservation Area, second-growth trees along path to the splash pad park, corticolous on *A. rubrum*, 24.v.2014, *R.T. McMullin 14089* (OAC), Glen Haffy Conservation Area, Red Trail, among exposed trees in a field, corticolous on *F. americana*, 24.v.2014, *R.T. McMullin 14160* (OAC). YORK REGION. Don River Watershed, Vaughan, Sunny Brook Park from the western entrance, within mature mixed-wood forest along a stream, corticolous in *Ulmus* sp., 13.vi.2015, *R.T. McMullin 15607* (CANL).

***Xanthomendoza hasseana* (Räsänen) Söchting, Kärnefelt & S. Kondr.**

CANADA. ONTARIO. YORK REGION. Don River Watershed, Vaughan, Nevada Park, trail off Hunterwood Chase, within mature mixed-wood forest, corticolous on a *Populus* sp. snag, 14.vi.2015, *R.T. McMullin 15605* (CANL).

***Xanthomendoza ulophyllodes* (Räsänen) Söchting, Kärnefelt & S. Kondr.**

CANADA. ONTARIO. PEEL REGION. Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, within mature mixed-wood second-growth forest, corticolous on a fallen deciduous tree, 24.v.2014, *R.T. McMullin 14100* (OAC), Albion Hills Conservation Area, near Terry Carr Memorial Trail, within mature mixed-wood forest along a stream, corticolous on a *T. occidentalis* branch, 24.v.2014, *R.T. McMullin 14147* (OAC). YORK REGION. Don River Watershed, Vaughan, natural area along the east side of Dufferin, ~800 m from Major Mackenzie, within a *T. occidentalis* and hardwood swamp, corticolous on a snag, 13.vi.2015, *R.T. McMullin 15608* (CANL), Rouge River Watershed, Woodland Trail, in a mature mixed-wood forest with large and exposed deciduous trees, corticolous on *A. nigrum*, 19.ix.2013, *R.T. McMullin 12536* (OAC).

***Xanthoparmelia cumberlandia* (Gyeln.) Hale**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, in an exposed area ~50 m west of the main parking lot, surrounded by exposed gravel, rocks, and boulders, scattered shrubs and grasses, saxicolous on non-calcareous rock, 11.vi.2016, *R.T. McMullin 17870* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, saxicolous on an exposed rock along a

stream, 24.v.2014, *R.T. McMullin 14106* (OAC), Blue Trail, saxicolous on an exposed non-calcareous rock at the forest edge, 24.v.2014, *R.T. McMullin 14112* (OAC). YORK REGION. Rouge River Watershed, Rouge National Urban Park, Orchard Trail, in a clearing in a second-growth mixed-wood forest adjacent to the Rouge River, saxicolous on granitic rock, 19.ix.2013, *R.T. McMullin 12523* (OAC).

***Xanthoparmelia plittii* (Gyeln.) Hale**

CANADA. ONTARIO. YORK REGION. Humber River Watershed, McMichael Canadian Art Collection grounds, near Wedding Hill, saxicolous on exposed non-calcareous rocks, 24.v.2014, *R.T. McMullin 14108* (OAC).

***Xanthoria elegans* (Link) Th. Fr.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, exposed area ~50 m west of the main parking lot, surrounded by exposed gravel, rocks, and boulders, scattered shrubs and grasses, saxicolous on non-calcareous rock, 11.vi.2016, *R.T. McMullin 17872* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, saxicolous on an exposed non-calcareous boulder, 24.v.2014, *R.T. McMullin 14145* (OAC). YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, saxicolous on exposed non-calcareous boulder shaded by adjacent mixed-wood forest, 14.vi.2015, *R.T. McMullin 15604* (CANL).

***Xanthoria parietina* (L.) Th. Fr.**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on exposed and mature *Acer* sp. adjacent to main parking lot, 11.vi.2016, *R.T. McMullin 17854* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Red Trail, among exposed trees in a field, corticolous on *P. balsamifera*, 24.v.2014, *R.T. McMullin 14118* (OAC). YORK REGION. Don River Watershed, Vaughan, Baker's Woods, corner of Thornhill Woods Dr. and Highway 7, near exposed boulders and mature forest, lignicolous on a *Thuja* fence rail, 14.vi.2015, *R.T. McMullin 15651* (CANL).

***Xanthoria polycarpa* (Hoffm.) Rieber**

CANADA. ONTARIO. PEEL REGION. Credit River Watershed, Forks of the Credit Provincial Park, eastern corner of the main parking lot, corticolous on an exposed and mature *Acer* sp., 11.vi.2016, *R.T. McMullin 17864* (CANL), Humber River Watershed, Glen Haffy Conservation Area, Blue Trail, within a mature mixed-wood second-growth forest, corticolous on a fallen deciduous tree, 24.v.2014, *R.T. McMullin 14099* (OAC).